

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112223\
 Data File : VD077657.D
 Acq On : 22 Nov 2023 08:38
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025219

Quant Time: Nov 23 00:30:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 22 01:40:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	251662	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	237781	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	124442	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	181376	28.332	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.320%
7) Chloroethane-d5	2.811	69	150050	29.836	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.360%
11) 1,1-Dichloroethene-d2	3.922	65	53141	26.844	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.360%
21) 2-Butanone-d5	6.981	46	51602	46.556	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.120%
24) Chloroform-d	7.569	84	199332	27.419	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.680%
26) 1,2-Dichloroethane-d4	8.234	65	105322	27.236	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.960%
32) Benzene-d6	8.204	84	418999	27.150	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.600%
36) 1,2-Dichloropropane-d6	9.210	67	128240	25.511	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.040%
41) Toluene-d8	10.269	98	380244	27.266	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.080%
43) trans-1,3-Dichloroprop...	10.528	79	54267	25.037	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.160%
47) 2-Hexanone-d5	10.881	63	43056	47.879	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.760%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	88706	26.634	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.520%
66) 1,2-Dichlorobenzene-d4	13.816	152	115484	26.086	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	94645	23.352	ug/L	98
3) Chloromethane	2.152	50	130719	22.418	ug/L	99
5) Vinyl chloride	2.293	62	157121	23.874	ug/L	96
6) Bromomethane	2.705	94	85787	24.484	ug/L	100
8) Chloroethane	2.846	64	103354	25.260	ug/L	96
9) Trichlorofluoromethane	3.187	101	158171	26.408	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	98377	26.691	ug/L	99
12) 1,1-Dichloroethene	3.952	96	87311	24.397	ug/L	93
13) Acetone	4.022	43	56032	48.093	ug/L	71
14) Carbon disulfide	4.275	76	255334	19.814	ug/L	99
15) Methyl Acetate	4.563	43	44285	23.105	ug/L	97
16) Methylene chloride	4.810	84	106884	25.155	ug/L	93
17) trans-1,2-Dichloroethene	5.328	96	90774	24.113	ug/L	89
18) Methyl tert-butyl Ether	5.322	73	213864	24.204	ug/L	98
19) 1,1-Dichloroethane	6.122	63	187796	24.863	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	102659	25.100	ug/L	100
22) 2-Butanone	7.081	43	63365	45.201	ug/L	99
23) Bromochloromethane	7.428	128	40985	24.939	ug/L	97
25) Chloroform	7.599	83	186798	26.921	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	119366	25.951	ug/L	97
29) Cyclohexane	7.881	56	163183	21.137	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	158314	25.433	ug/L	99
31) Carbon tetrachloride	7.993	117	140176	26.203	ug/L	100
33) Benzene	8.251	78	400316	24.278	ug/L	100
34) Trichloroethene	9.028	95	101948	24.951	ug/L	91
35) Methylcyclohexane	9.275	83	171281	23.230	ug/L	96
37) 1,2-Dichloropropane	9.304	63	113903	24.848	ug/L	100
38) Bromodichloromethane	9.587	83	134072	25.499	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	169066	24.001	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	129074	46.206	ug/L	99
42) Toluene	10.334	91	433469	25.038	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	143897	24.723	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	72812	25.985	ug/L	99
46) Tetrachloroethene	10.810	164	77271	25.703	ug/L	94
48) 2-Hexanone	10.922	43	97772	44.157	ug/L	96
49) Dibromochloromethane	11.075	129	85288	26.796	ug/L	95
50) 1,2-Dibromoethane	11.181	107	66750	24.911	ug/L	95
51) Chlorobenzene	11.610	112	260946	25.728	ug/L	95
52) Ethylbenzene	11.687	91	486340	25.531	ug/L	98
53) m,p-Xylene	11.792	106	179365	25.876	ug/L	98
54) o-Xylene	12.122	106	173004	26.059	ug/L	98
55) Styrene	12.140	104	309775	26.724	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.675	83	87927	26.637	ug/L	96
59) Bromoform	12.298	173	52844	24.907	ug/L	99
60) Isopropylbenzene	12.422	105	493451	24.515	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	61990	23.386	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	362297	23.716	ug/L	97
63) 1,2,4-Trimethylbenzene	13.216	105	376539	24.332	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	203804	24.680	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	210179	25.220	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	184856	25.320	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	13305	23.076	ug/L #	73
69) 1,3,5-Trichlorobenzene	14.598	180	143290	25.484	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	120650	25.460	ug/L	99
71) Naphthalene	15.333	128	213909	23.951	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	103414	25.594	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

